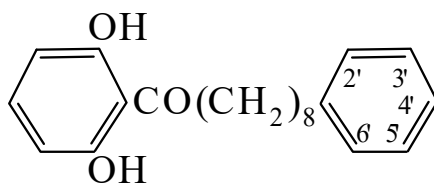




>>Entry Name: **Malabaricone A**

Synonym(s): 1-(2,6-Dihydroxyphenyl)-9-phenyl-1-nonanone, 9Cl



CAS Registry Number: 63335-23-9

Molecular Formula: C₂₁H₂₆O₃

Molecular Weight: 326.435

Accurate Mass: 326.188195

Percentage Composition: C 77.27%; H 8.03%; O 14.70%

Biological Source: Constit. of *Myristica malabarica* fruit rind

Physical Description: Yellow cryst. (Et₂O/hexane)

Melting Point: Mp 81-82°

>>Derivative: 4'-Hydroxy

Synonym(s): 1-(2,6-Dihydroxyphenyl)-9-(4-hydroxyphenyl)-1-nonanone, 9Cl. **Malabaricone B**

CAS Registry Number: 63335-24-0

Molecular Formula: C₂₁H₂₆O₄

Molecular Weight: 342.434

Accurate Mass: 342.18311

Percentage Composition: C 73.66%; H 7.65%; O 18.69%

Biological Source: Constit. of *Myristica malabarica*

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 102°. Mp 133-135°

UV: [neutral] λ_{max} 224 (ε 15000); 272 (ε 11300); 342 (ε 2600) (MeOH) (Berdy) [base] λ_{max} 240 (); 286 (); 384 () (MeOH-NAOH) (Berdy) [neutral] λ_{max} 203 (ε 12590); 224 (ε 15850); 270 (ε 7940); 341 (ε 1995) (MeOH) (Berdy)

>>Derivative: 3',4'-Dihydroxy

Synonym(s): 1-(2,6-Dihydroxyphenyl)-9-(3,4-dihydroxyphenyl)-1-nonanone, 9Cl. **Malabaricone C**

CAS Registry Number: 63335-25-1

Molecular Formula: C₂₁H₂₆O₅

Molecular Weight: 358.433

Accurate Mass: 358.178025

Percentage Composition: C 70.37%; H 7.31%; O 22.32%

Biological Source: Constit. of *Myristica malabarica*

Use/Importance: Shows nematocidal, bactericidal and antioxidant activity

Physical Description: Pale-yellow cryst. (CHCl₃)

Melting Point: Mp 127-128°

>>Derivative: 3',4'-(Methylenedioxy)

Synonym(s): 9-(1,3-Benzodioxol-5-yl)-1-(2,6-dihydroxyphenyl)-1-nonanone, 9Cl. 1-(2,6-Dihydroxyphenyl)-9-(3,4-methylenedioxyphenyl)-1-nonanone. **Malabaricone D**

CAS Registry Number: 63335-26-2

Molecular Formula: C₂₂H₂₆O₅

Molecular Weight: 370.444

Accurate Mass: 370.178025

Percentage Composition: C 71.33%; H 7.07%; O 21.59%

Biological Source: Constit. of *Myristica malabarica*

Physical Description: Cryst. (C₆H₆/hexane)

Melting Point: Mp 90-91°

>>Derivative: 3',4'-(Methylenedioxy), 2-Me ether

Synonym(s): 1-(2-Hydroxy-6-methoxyphenyl)-9-(3,4-methylenedioxyphenyl)-1-nonanone

CAS Registry Number: 114226-25-4